

List of All Chemicals

P Tabernanthe iboga (Apocynaceae)

Common name(s)

Iboga

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

| Chemical | Plant Part | Low PPM | High PPM | StdDev | *Reference |
|--------------------------|---|---------|----------|--------|------------|
| ALKALOIDS | Leaf | -- | 8000.0 | -0.07 | * |
| ALKALOIDS | Seed | 6000.0 | 8000.0 | -0.4 | * |
| ALKALOIDS | Stem Bark | -- | 20000.0 | 1.0 | * |
| ALKALOIDS | Root | 55000.0 | 60000.0 | 2.01 | * |
| DESMETHOXYIBOLUTEINE | Root | -- | -- | | * |
| EPIIBOGAMINE | Plant | -- | -- | | * |
| GABONINE | Root | -- | -- | | * |
| HYDROXYINDOLEINIBOGAINE | Root | -- | -- | | * |
| HYDROXYINDOLEINIBOGAMINE | Root | -- | -- | | * |
| IBAGAMINE | Root | -- | -- | | * |
| IBOCHINE | Root | -- | -- | | * |
| IBOGAINE | Root | -- | -- | | * |
| Activities (16) | | | | | |
| Antialzheimeran? | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses | | | | |
| Anticholinesterase | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses | | | | |
| Anticonvulsant | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. | | | | |
| Antidepressant | | | | | |
| Antifatigue | | | | | |
| Apertif | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses | | | | |
| Bradycardic | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses | | | | |
| CNS-Stimulant | | | | | |
| Digestive | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses | | | | |
| Diuretic | | | | | |
| Hallucinogenic | Merck 11th Edition | | | | |
| Hypotensive | CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses | | | | |
| Hypothermic | | | | | |
| Neurotoxic | R.J. Hixtable (Huxtable, R.J. (as T. Max). 1992. This and That: The Essential Pharmacology of Herbs and Spices. Tips 13:15-20 Huxtable, R.J. 1992b. The Myth of Benificent Nature'. The Risk of Herbal Preparations. Ann. Intern. Med. 117(2):165-6; Huxtable, R. | | | | |
| Psychotomimetic | | | | | |
| Serotonergic | | | | | |
| IBOGALINE | Stem Bark | -- | -- | | * |
| Activities (3) | | | | | |
| Bradycardic | | | | | |
| CNS-Stimulant | | | | | |
| Hypotensive | | | | | |
| IBOGAMINE | Root | -- | -- | | * |
| Activities (3) | | | | | |
| Bradycardic | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. | | | | |
| Cytotoxic | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. | | | | |
| Hypotensive | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. | | | | |

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|---|--|----|----|---|
| IBOPHYLLIDINE | Leaf | -- | -- | * |
| IBOXYGAIN | Root | -- | -- | * |
| Activities (3) | | | | |
| Bradycardic | | | | |
| CNS-Stimulant | | | | |
| Hypotensive | | | | |
| IBOXYPHYLLINE | Leaf | -- | -- | * |
| KIMVULINE | Root | -- | -- | * |
| KISANTINE | Root | -- | -- | * |
| PANDOLINE | Leaf | -- | -- | * |
| TABERNANTHINE | Root | -- | -- | * |
| Activities (1) | | | | |
| CNS-Stimulant | | | | |
| TANNIN | Root | -- | -- | * |
| Activities (35) | | | | |
| Anthelmintic | | | | |
| AntiHIV | | | | |
| Antibacterial | | | | |
| Anticancer | | | | |
| Anticariogenic | | | | |
| Antidiarrheic | | | | |
| Antidysenteric | | | | |
| Antihepatotoxic | | | | |
| Antihypertensive | | | | |
| Antilipolytic | | | | |
| Antimutagenic | | | | |
| Antinephritic | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. <i>Chem. Pharm. Bull.</i> 38(4): 1049-1052, 1990. | | | |
| Antiophidic | Economic & Medicinal Plant Research, 5: 363. | | | |
| Antioxidant IC50=1.44 ug/ml | | | | |
| Antioxidant 1/3 quercetin | | | | |
| Antiradicular 500 mg/kg/day orl mus | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. <i>Chem. Pharm. Bull.</i> 38(4): 1049-1052, 1990. | | | |
| Antiradicular 1/3 quercetin | | | | |
| Antirenitic | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. <i>Chem. Pharm. Bull.</i> 38(4): 1049-1052, 1990. | | | |
| Antitumor | | | | |
| Antitumor-Promoter | | | | |
| Antiulcer | | | | |
| Antiviral | | | | |
| Cancer-Preventive | HerbalGram No. 22 - Spring 1990, page 14. | | | |
| Carcinogenic | | | | |
| Chelator | | | | |
| Cyclooxygenase- Inhibitor | | | | |
| Glucosyl- Transferase-Inhibitor | | | | |
| Hepatoprotective | | | | |
| Immunosuppressant | | | | |
| Lipoxygenase- Inhibitor | | | | |
| MAO-Inhibitor | | | | |
| Ornithine- Decarboxylase- Inhibitor | | | | |
| Pesticide | | | | |
| Psychotropic | Uchida, U., Ohta, H., Niwa, M., Mori, A., Nonaka, G-i., Nishioka, I., and Zaki, M. 1989. Prolongation of Life Span of Stroke-Prone Spontaneously Hypertensive Rats (SHRSP) Ingesting Persimmon Tannin. <i>Chem. Pharm. Bull.</i> 38(4): 1049-1052, 1990. | | | |
| Xanthine-Oxidase- Inhibitor | | | | |
| TUBOTAIWINE | Tissue Culture | -- | -- | * |

Activities (5)

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| Antimalarial IC50=0.3-0.5 ug/ml | Rukunga, G. and Simons, A.J. 2006. The Potential of Plants as a Source of Antimalarial Agents - A Review. Africa Herbal Antimalaria Meeting. PlantaPhile Publications, Berlin. 72 pp. |
| Antiplasmodial IC50=0.3-0.5 ug/ml | Rukunga, G. and Simons, A.J. 2006. The Potential of Plants as a Source of Antimalarial Agents - A Review. Africa Herbal Antimalaria Meeting. PlantaPhile Publications, Berlin. 72 pp. |
| CNS-Stimulant | Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp. |
| Cardiotonic | Collins, D.J., Culvenor, C.C.J., Lamberton, J.A., Loder, J.W. and Price, J.R., Plants for Medicines, CSIRO, East Melbourne, Australia, 1990, 303 pp. |
| Hypotensive | Grenand, P., Moretti, C., and Jacquemin, H. 1987. Pharmacopees Traditionnelles en Guyane. l'ORSTROM, Paris. 569 pp. |

Activities (1)

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| CNS-Stimulant |
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